## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | IT - | 18328 — | | |
| | | | | KST - | 73310 — | | |
| | | | | FSD - | 109965 — | | |
| | | | | Live - | 12328 — | | |
| | | | | CSP - | 1833 — | | |
| | | | | Roy - | 34132 — | | |
| | | | | Fine - | 3366 — | | |
| | | | | Total | 260180=00 | | |

ಪೂರ್ತಿ ಮೊತ್ತಗಳು ರೂ 183252=00
ಗುತ್ತಿಗೆ ಹಣಕಾಸು ಹೊರತುಪಡಿಸಿ : ಇದರಲ್ಲಿ ರೂ 260180=00
ಮೊತ್ತಗಳನ್ನು ಮಾಡಿಕೊಳ್ಳುವ ಬಾಕಿ ಮೊತ್ತಗಳು
ರೂ 153252=00
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ
ತಾಂತ್ರಿಕ ನಿರ್ದೇಶಕರು
ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲಾ ಪಂಚಾಯತ್
ಬೆ ಜಿ ಪಂ

ಸಹಾಯಕ ಅಭಿಯಂತರರು II
ಬೆ ಜಿ ಪಂ

First and Final

## M. A. R. 57 (Rule 116)
Measurement Book

No. C/08

Serial No. Improvements to Roads and drains at pragathi layout in

Name of work Ward No:06 From To 125332

Name of Contractor of nature of Agency Technical Manager (KRIDL)

Date of commencement of work

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Work order No: 397/2013-14 Date: 21.02.2014 | | | | | | |
| | Work code No: 000-14-000038 | | | | | | |
| | Est cost: 20.00 lakhs | | | | | | |
| | Date of Recording: | | | | | | |
| 1) | Earth work excavation by manual means in hard soil including conveyance horizontal throw upto 2m et complete | | | | | | |
| | Road ① | 2 x 2 | 30.00 | 0.45 | 0.40 | 21.60 | |
| | | 2 | 22.00 | 0.45 | 0.35 | 6.93 | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Road ① | 2 | 30.00 | 0.45 | 0.40 | 10.80 | |
| | | 2 | 24.00 | 0.45 | 0.35 | 8.06 | |
| | Road ① | 2×3 | 30.00 | 0.45 | 0.35 | 28.35 | |
| | | 2×2 | 30.00 | 0.45 | 0.40 | 21.60 | |
| | | 2 | 17.70 | 0.45 | 0.45 | 6.92 | |
| | | 2×4 | 30.00 | 0.45 | 0.40 | 43.20 | |
| | Stone cutting 2① | 2×2 | 30.00 | 1.20 | 0.25 | 36.00 | |
| | | 2 | 22.00 | 1.15 | 0.20 | 10.12 | |
| | Road ② | 2 | 30.00 | 1.25 | 0.20 | 15.00 | |
| | | 2 | 24.00 | 1.10 | 0.25 | 13.20 | |
| | Road ③ | 2×2 | 30.00 | 1.25 | 0.20 | 30.00 | |
| | | 2×3 | 30.00 | 1.10 | 0.25 | 49.50 | |
| | | 2 | 17.20 | 1.00 | 0.20 | 6.84 | |
| | | 2×4 | 30.00 | 1.20 | 0.25 | 72.00 | |
| | culvert | 1 | 6.50 | 1.80 | 1.20 | 13.61 | |

Office Memo

## M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

125833

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | 335.85 Cu | |
| | | | | | @ | 90.72/Cu | 30468.00 |
| 2) | Removing BS slab drain and stacking at complete | | | | | | |
| | Road ① | 2×2 | 30.00 | - | 1.65 | 198.00 | |
| | | 2 | 22.00 | - | 1.65 | 72.60 | |
| | Road ② | 2 | 30.00 | - | 1.65 | 99.00 | |
| | | 2 | 24.00 | - | 1.65 | 79.20 | |
| | Road ③ | 2×5 | 30.00 | - | 1.65 | 495.00 | |
| | | 2 | 17.20 | - | 1.65 | 58.41 | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | C/F Measured | 2 | 30.00 | - | 1.65 | 99.00 | |
| | | 2 | 20.00 | - | 1.65 | 66.00 | |
| | | | | | | 1155.00 Rm | |
| | | | | | @ | 50.11/M | 57879=00 |
| 3) | Refixing stone slabs of drains and pointing in CM (1:3) as complete. | | | | | | |
| | | 2×2 | 30.00 | - | 1.65 | 198.00 | |
| | | 2 | 22.00 | - | 1.65 | 72.60 | |
| | | 2 | 30.00 | - | 1.65 | 99.00 | |
| | | 2 | 24.00 | - | 1.65 | 79.20 | |
| | | 2×5 | 30.00 | - | 1.65 | 495.00 | |
| | | | | | | 924.00 Rm | |
| | | | | | @ | 70.04/M | 64715=00 |

## M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

Serial No. ..... 125834

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 4) | providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including boring cutting etc complete 7.5cm thick complete | | | | | | |
| | | 2 | 30.00 | - | 1.65 | 99.00 | |
| | | 2 | 30.00 | - | 1.65 | 99.00 | |
| | | 2 | 25.00 | - | 1.65 | 82.50 | |
| | | 2 | 27.00 | - | 1.65 | 89.10 | |
| | | 2 | 20.00 | - | 1.65 | 66.00 | |
| | | 2 | 15.00 | - | 1.65 | 49.50 | |
| | | | | | | 445.50 Rm | |
| | | | | | @ | 343.44/M | 153003=00 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5) | providing and laying in position plain cement concrete 1:4:8 mix 19 mm and down size graded granite ✓ complete @ 180 Kgs using 40 mm | 1 | 6.50 | 2.00 | 0.15 | 1.95 cy | |
| | | | | | @ | 4280.80/cy | 8307.00 |
| | Measurement continued on: | | | | | | |
| 6) | providing and constructing granite / trap / ballast size stone masonry in super structure with cement mortar 1:6 edges ✓ stones complete | 2 | 6.50 | 0.60 | 0.90 | 7.02 cy | |
| | | | | | @ | 4423.68/cy | 3105.00 |
| 7) | Providing raked pointing to curved stone masonry with cement mortar 1:3 20 mm deep after Raking joints to depth ✓ 20 mm nicely ✓ complete | | | | | | |

## M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

Serial No. .....

Name of work ..... From..... To..... 125835

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 2 | 6.50 | - | 0.90 | 11.70 cy | |
| | | | | | @ | 77.76/cy | 910.00 |
| 8) | providing and laying in position plain cement concrete ✓ mix M 15 with cement @ 240 Kgs with 20 mm and down size graded granite metal course aggregate ✓ | | | | | | |
| | C & Free Material | 2 | 6.50 | 0.60 | 0.10 | 0.78 cy | |
| | | | | | @ | 4690.50/cy | 3658.00 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Measurement continued on: | | | | | | |
| 9) | Providing and removing centering shuttering shifting propping etc and removal of formwork for vertical surface such as walls etc (measurement of complete) | | | | | | |
| | | 1 | 6.50 | 0.60 | - | 3.90 | |
| | | 2 | 6.50 | - | 0.25 | 3.25 | |
| | | 2 | 1.80 | - | 0.25 | 0.90 | |
| | | | | | | 8.05 sq | |
| | | | | | @ | 2708/sq | 2182=00 |
| 10) | Providing and laying in position reinforced cement concrete of design mix M20 with opc cement @ 320kg with 20mm and down size crushed granite metal coarse aggregate | | | | | | |
| | | 1 | 6.50 | 1.80 | 0.25 | 2.93 | |
| | | 2 | 6.50 | 1.00 | 0.15 | 1.95 | |

# M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

Serial No. ..... 125836

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | 4.88 cm | |
| | | | | | @ | 5639.76/cm | 27494=00 |
| 11) | providing TMT steel reinforcement for RCC work including straightening cutting bending lapping hooking placing in position etc complete | | | | | | |
| | Premeasurement recorded vide page no: | | | | | | |
| | 125888 of this MB's | | | | | 4.38 mt | |
| | | | | | @ | 7450.82/mt | 32691=00 |
| 12) | Scarifying existing stone metal layer upto 75mm thick along with its dimension | | | | | | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | surface picking up scarified material and pasting for all services material as exp | | | | | | |
| | Road ① | 1 | 30.00 | (5.85+5.8) | - | 174.75 | |
| | | 1 | 30.00 | 5.80 | - | 174.00 | |
| | | 1 | 22.00 | 5.80 | - | 127.60 | |
| | Road ② | 1 | 30.00 | (5.3+5.1) | - | 156.00 | |
| | | 1 | 24.00 | (5.1+4.5) | - | 115.20 | |
| | | 1 | 30.00 | (6.0+5.8) | - | 177.00 | |
| | | 1 | 30.00 | (5.8+6.0) | - | 177.00 | |
| | | 1 | 30.00 | (6.0+5.9) | - | 178.50 | |
| | | 1 | 30.00 | (5.9+5.8) | - | 175.50 | |

## M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

Serial No. ..... 125837

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 1 | 17.10 | (5.8+3.7) | - | 81.25 | |
| | | 1 | 30.00 | (6+5.9) | - | 178.50 | |
| | | 1 | 36.50 | (5.8+5.9) | - | 213.52 | |
| | | | | | | 1925.00 sq | |
| | | | | | @ | 72.79/sq | 140125=00 |
| | Measurement continued on: | | | | | | |
| 13) | providing, laying spreading and compacting crushed stone aggregates to wet mix macadam specification including premixing the material with water at site & complete | | | | | | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Road ① | 1 | 30.00 | (5.8+5.8) | 0.20 | 34.95 | |
| | | 1 | 30.00 | 5.80 | 0.20 | 34.80 | |
| | | 1 | 22.00 | 5.80 | 0.20 | 25.52 | |
| | Road ② | 1 | 30.00 | (5.3+5.1) | 0.20 | 31.20 | |
| | | 1 | 24.00 | (5.1+5.5) | 0.20 | 23.04 | |
| | Road ③ | 1 | 30.00 | (6.0+5.8) | 0.20 | 35.40 | |
| | | 1 | 30.00 | (5.8+6.0) | 0.20 | 35.40 | |
| | | 1 | 30.00 | (6.0+5.9) | 0.20 | 35.70 | |
| | | 1 | 30.00 | (5.9+5.8) | 0.20 | 35.10 | |
| | | 1 | 17.10 | (5.8+3.7) | 0.20 | 16.24 | |
| | | 1 | 30.00 | (6.0+5.9) | 0.20 | 35.70 | |
| | | 1 | 36.50 | (5.9+5.8) | 0.20 | 42.20 | |

## M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

125838

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | C & Pc Mohan | | | | | 385.00 sq | |
| | | | | | | @ 1121.04/sq | 431600=00 |
| | Measurement continued on: | | | | | | |
| (b) | cleaning the existing WBM road surface including removing of binding material and other foreign matter with wire brushes and small picks sweeping as complete | | | | | | |
| | | @ 4% rate Item No: (12) | | | | 1925.00 sq | |
| | | | | | | @ 10.53/sq | 20270=00 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 15) | providing and applying prime coat from 12.20 to 16.00 kgs per sqm for surface of high porosity over prepared surface of granular base with cut back as comp | | | | | | |
| | | Qty | vide Item No: | (14) | | 1925.00 sqm | |
| | | | | | @ | 142.07/sqm | 273492=00 |
| 16) | Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type producing an average output of 75 tonnes per hour using crushed aggregates of specified grade as comp | | | | | | |
| | Road ① | 1 | 30.00 | (5.85+5.8) | 0.025 | 4.36 | |
| | | 1 | 30.00 | 5.80 | 0.025 | 4.35 | |
| | | 1 | 22.00 | 5.80 | 0.025 | 3.19 | |
| | Road ② | 1 | 30.00 | (5.3+5.1) | 0.025 | 3.90 | |
| | | 1 | 24.00 | (5.1+4.5) | 0.025 | 2.88 | |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. C/08

125339

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Road ② | 1 | 30.00 | (6.0+5.8) | 0.025 | 4.42 | |
| | | 1 | 30.00 | (5.8+6.0) | 0.025 | 4.42 | |
| | | 1 | 30.00 | (6.0+5.8) | 0.025 | 4.46 | |
| | | 1 | 30.00 | (5.8+5.8) | 0.025 | 4.38 | |
| | | 1 | 17.10 | (5.8+3.7) | 0.025 | 2.03 | |
| | Road ④ | 1 | 30.00 | (6.0+5.8) | 0.025 | 4.46 | |
| | | 1 | 36.50 | (5.8+5.8) | 0.025 | 5.33 | |
| | | | | | | 48.15 sqm | |
| | | | | | @ | 8881.36/sqm | 480353=00 |

C/FC
30/5/2014

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 17) | Lead for disposal shall be payable at carriage rates by mechanical means including loading and unloading et complete | | | | | | |
| | | Abstract Item No. ① | | | | 335.85 Cu | |
| | | | | | @ | 72.71/Cu | 24418=00 |
| | | | | | Sub Total | | 1782680=00 |
| | | | | | KRIDL @ 11% | | 196085=00 |
| | | | | | Total | | 1980765=00 |

Certificate:

Certified that the above work done is satisfactorily.

**M. A. R. 57 (Rule 116)** No. C/08

Measurement Book

125340

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |